



STATE OF MISSOURI
GEOLOGICAL SURVEY PROGRAM

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

RECEIVED
FORM 0003

JAN 18 2012

☒ APPLICATION TO DRILL ☐ DEEPEN ☐ PLUG BACK ☒ FOR AN OIL WELL ☐ OR GAS WELL

NAME OF COMPANY OR OPERATOR

Altavista Energy, Inc.

DATE
01/18/2012

Oil & Gas Council

ADDRESS

PO Box 128

CITY

Wellsville

STATE

KS

ZIP CODE

66092

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE

Belden

WELL NUMBER

A-1

ELEVATION (GROUND)

1097

WELL LOCATION

(GIVE FOOTAGE FROM SECTION LINES)

1155 ft. from ☐ North ☒ South section line 1155 ft. from ☒ East ☐ West section line

WELL LOCATION

Sec. 33 Township 46 North Range 33 ☐ East ☒ West

LATITUDE

38.76182

LONGITUDE

94.57469

COUNTY

Cass

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 1155 FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE 950 FEET

PROPOSED DEPTH

900 800 see attached

DRILLING CONTRACTOR, NAME AND ADDRESS

Town Oilfield Services, PO Box 339, Louisburg, KS 66053

ROTARY OR CABLE TOOLS

Rotary

APPROX. DATE WORK WILL START

02/06/2012

NUMBER OF ACRES IN LEASE

160

NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 1

NUMBER OF ABANDONED WELLS ON LEASE 2

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?

NAME N/A - New Lease

ADDRESS

NO. OF WELLS PRODUCING 0

INJECTION 0

INACTIVE 0

ABANDONED 0

STATUS OF BOND

☐ SINGLE WELL

AMOUNT \$

☒ BLANKET BOND

AMOUNT \$ 40,000

☒ ON FILE

☐ ATTACHED

REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING/INJECTION ZONE AND EXPECTED NEW INJECTION ZONE; USE BACK OF FORM IF NEEDED)

PROPOSED CASING PROGRAM

APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST

| AMOUNT | SIZE | WT/FT | CEMENT | AMOUNT | SIZE | WT/FT | CEMENT |
|---------------|--------|-------|------------------|--------|--------|-------|--------|
| 20' (surface) | 8.625" | 20 | 5 sx (to surf.) | 20' | 8.625" | 20 | Full |
| 900' (prod) | 4.5" | 10 | 150 sx (to surf) | 900' | 4.5" | 10 | Length |
| | | | | | | | |
| | | | | | | | |

I, the Undersigned, state that I am the Manager of the Corp. (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE

Butler

DATE

01/18/2012

PERMIT NUMBER

037-20850

APPROVED DATE

2-1-12

APPROVED BY

Joseph A. [Signature]

☒ DRILLER'S LOG REQUIRED

☒ CORE ANALYSIS REQUIRED IF RUN

☐ SAMPLES REQUIRED

☒ SAMPLES NOT REQUIRED

☐ WATER SAMPLES REQUIRED AT

☒ E-LOGS REQUIRED IF RUN

☒ DRILL SYSTEM TEST INFO REQUIRED IF RUN

NOTE: THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION.

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE

I, _____ of the _____ (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATURE

DATE

Butler

38 45 42.55 94 34 28.88



STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
WELL LOCATION PLAT

FORM OGC-4

OWNER'S NAME
Altavista Energy, Inc.

LEASE NAME
Belden (Well A-1)

COUNTY
Cass

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES)
1155 ft. from ☐ North ☒ South from section line 1155 ft. from ☒ East ☐ West from section line

WELL LOCATION
Sec. 33 Township 46 North Range 33 ☐ East ☒ West

LATITUDE
38.76182

LONGITUDE
94.57469

| | | | | | | | | |
|---|--|--|--|--|--|--|--|--|
| <p>OK</p> <p>2 1/2 Acres</p> <p>SPACING Approved</p> <p>by council.</p> | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Handwritten diagram on the right side of the grid showing a well location. A vertical line is labeled '1155' and a horizontal line is labeled '1155'. The intersection is marked with a dot and labeled 'OK'. The horizontal line extends to the right edge of the grid, which is labeled '1320'. The vertical line extends to the bottom edge of the grid, which is labeled '660'.

REMARKS
See attached map.

INSTRUCTIONS

On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.

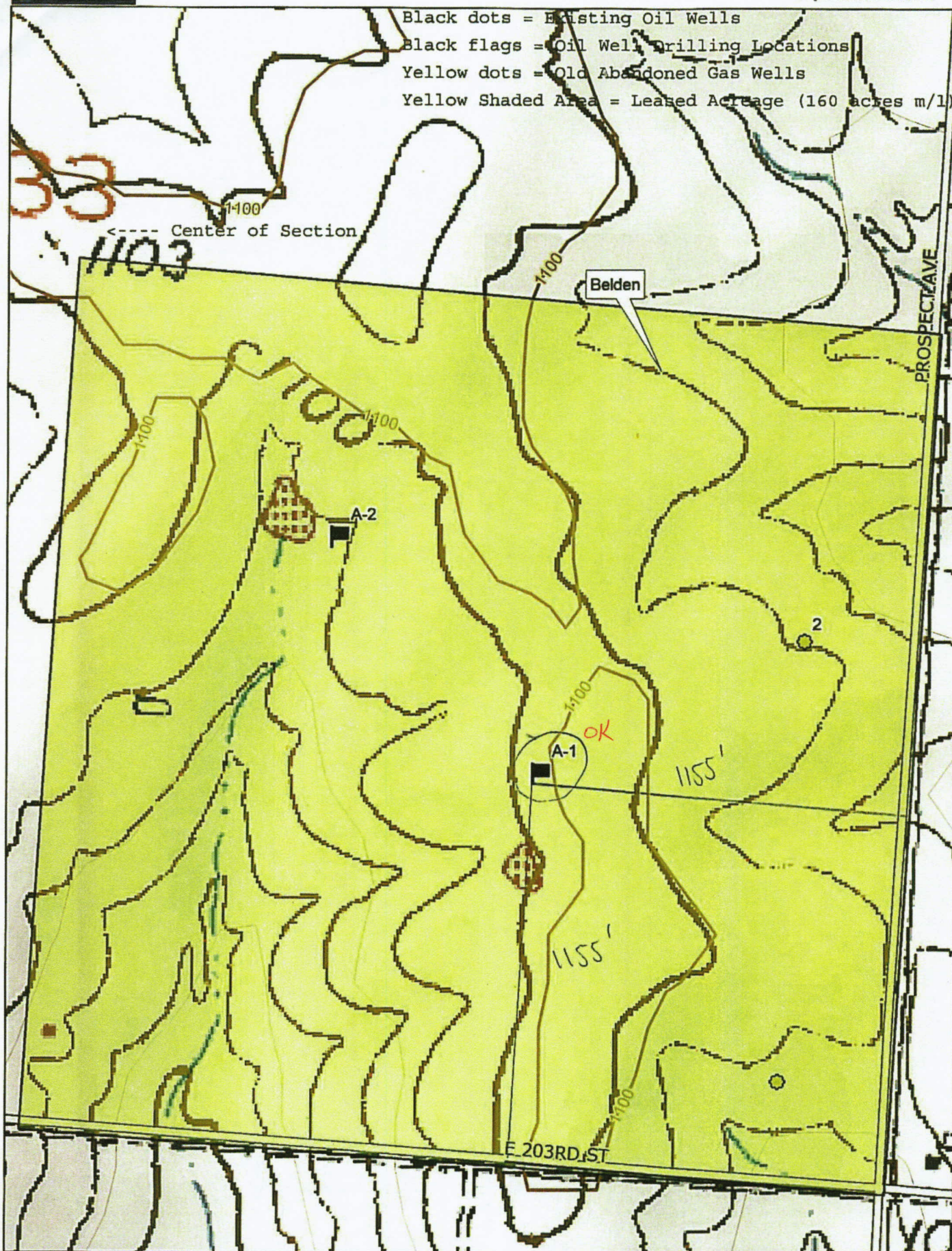
This is to certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.

REMIT TWO (2) COPIES TO:
GEOLOGICAL SURVEY PROGRAM
PO BOX 250, ROLLA, MO 65402-0250 (573) 368-2143
ONE (1) COPY WILL BE RETURNED

REGISTERED LAND SURVEYOR

NUMBER

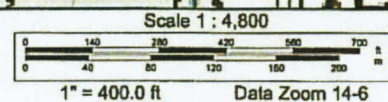
Black dots = Existing Oil Wells
 Black flags = Oil Well Drilling Locations
 Yellow dots = Old Abandoned Gas Wells
 Yellow Shaded Area = Leased Acreage (160 acres m/l)



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www.delorme.com



Rollins, Kyle

From: Phil Frick - DE <dephil@dpeweb.com>
Sent: Thursday, January 26, 2012 2:51 PM
To: Rollins, Kyle
Subject: Re: Bonding

Kyle,

I put 900' on there just to be certain we had it covered. If 800' will simplify things, just write in 800' and we'll call it good, and if we happen to go deeper we'll resolve it then. Or if you've already processed them, so be it; if we go 800 or less then I assume the bonding reverts back to the blanket, and if we go over 800' but end up plugging them because they're dry holes then they won't go against the bond anyway.

My problem is I'm about to file 5 injection wells on the McClintock, which will put us over by 1. Is it ok to have one over on permits given the wells aren't actually there yet and some may end up not drilled or at least only drilled to 800' or less? Let me know what works.

Regards,

Phil Frick
D. E. Exploration, Inc.
Altavista Energy, Inc.
Office: 785.883.4057
Cell: 913.221.5987

On 1/26/2012 1:41 PM, Rollins, Kyle wrote:
FYI,

After getting these permits issued Altavista will only have enough bonding left for 4 wells >800 feet. The two wells that are 900 feet proposed depth are not covered by the blanket bond and are \$2,000 each as per the single well bond. The final total depth of the wells will determine the exact amount of bonding needed. Anyway, the total bond amount (\$40,000) will cover them but not as part of the blanket bond if that makes sense.

Kyle Rollins
Geologist II
Economic Geology Unit
Division of Geology and Land Survey
573-368-2195
573-368-2111 (fax)
kyle.rollins@dnr.mo.gov
Visit our on-line store:
<http://www.missourigeologystore.com/>



STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
PLUGGING RECORD

FORM OGC-7

| | | | | | |
|--|------------------|--|-------------------|---|-------------------|
| OWNER'S NAME Altavista Energy, Inc. | | ADDRESS PO Box 128, Wellsville, KS 66092 | | | |
| NAME OF LEASE Belden | | WELL NUMBER A-1 | | PERMIT NUMBER (OGC-3 OR OGC-31 NUMBER) 037-20850 | |
| LOCATION OF WELL SEC TWN RNG OR BLOCK AND SURVEY Sec. 33 Township 46 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West | | LATITUDE 38 45' 38.76182 42.5" | | LONGITUDE 94 34' 94.57469 28.8" | |
| APPLICATION TO DRILL THIS WELL WAS FILED IN NAME OF: Altavista Energy, Inc. | | HAS THIS WELL EVER PRODUCED OIL OR GAS? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | CHARACTER OF WELL AT COMPLETION (INITIAL PRODUCTION) OIL (BBL/DAY) NA GAS (MCF/DAY) NA | |
| DATE OF ABANDONMENT 05/11/2012 | | TOTAL DEPTH 679 | | AMOUNT WELL PRODUCING PRIOR TO ABANDONMENT OIL (BBL/DAY) NA GAS (MCF/DAY) NA | |
| WATER (BBL/DAY) NA | | DRY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Name of each formation containing oil or gas. Indicate which formation open to well bore at time of abandonment | | Fluid content of each formation | | Depth interval of each formation | |
| None | | | | Size, kind, and depth of plugs used, giving amount of cement. | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| SIZE PIPE | PUT IN WELL (FT) | PULLED OUT (FT) | LEFT IN WELL (FT) | GIVE DEPTH AND METHOD OF PARTING CASING (SHOT, RIPPED, ETC.) | PACKERS AND SHOES |
| 8.75 | 20 | 0 | 20 | NA | NA |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| WAS WELL FILLED WITH MUD-LADEN FLUID? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | INDICATE DEEPEST FORMATION CONTAINING FRESH WATER | | | |
| NAME AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE | | | | | |
| NAME | | ADDRESS | | DIRECTION FROM THIS WELL | |
| Jim Effertz | | 16401 HOLMES RD, BELTON, MO 64012 | | Landowner | |
| | | | | | |
| | | | | | |
| | | | | | |
| METHOD OF DISPOSAL OF MUD PIT CONTENTS | | Removed Fluids, Backfilled | | | |
| NOTE FILE THIS FORM IN DUPLICATE WITH: (USE REVERSE SIDE FOR ADDITIONAL DETAIL) | | | | | |
| CERTIFICATE I, the undersigned, state that I am the <u>Mgr</u> of the <u>Corp</u> (Company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge. | | | | | |
| SIGNATURE  | | | | DATE 06/04/2012 | |

DETAIL OF FORMATIONS PENETRATED

| FORMATION | TOP | BOTTOM | DESCRIPTION (SEE * BELOW) |
|-----------|-----|--------|---------------------------|
| | | | See Driller Log |

NOTE

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open flowing and shut-in pressures, and recoveries.

INSTRUCTIONS

Attach drillers log or other acceptable log of well if available.
This Well Completion or Recompletion report and well log shall be filed with the Missouri State Geologist not later than 30 days after project completion.

Cass County, KS
Well: Baldon A-1
Lease Owner: Alta Vista

Town Oilfield Service, Inc.
(913) 837-8400

Commenced Spudding:
5/9/2012

WELL LOG

| Thickness of Strata | Formation | Total Depth |
|---------------------|-------------|-------------|
| 14 | Soil-Clay | 14 |
| 27 | Lime | 41 |
| 5 | Shale | 46 |
| 9 | Sandy Shale | 55 |
| 44 | Shale | 98 |
| 11 | Lime | 109 |
| 19 | Shale | 128 |
| 3 | Lime | 131 |
| 23 | Shale | 154 |
| 9 | Sandy Shale | 165 |
| 9 | Shale | 174 |
| 8 | Lime | 182 |
| 11 | Shale | 193 |
| 2 | Lime | 195 |
| 2 | Shale | 197 |
| 5 | Lime | 202 |
| 2 | Shale | 204 |
| 17 | Lime | 221 |
| 5 | Shale | 226 |
| 20 | Lime | 246 |
| 4 | Shale | 250 |
| 16 | Lime | 266 |
| 2 | Shale | 268 |
| 2 | Lime | 270 |
| 16 | Shale | 286 |
| 7 | Sandy Shale | 293 |
| 13 | Shale | 306 |
| 17 | Sandy Shale | 323 |
| 42 | Shale | 365 |
| 7 | Sand | 372 |
| 7 | Sandy Shale | 379 |
| 58 | Shale | 437 |
| 4 | Sand | 441 |
| 9 | Shale | 450 |
| 4 | Lime | 454 |
| 6 | Shale | 460 |
| 4 | Lime | 464 |
| 5 | Shale | 469 |
| 2 | Lime | 471 |
| 4 | Lime | 475 |

Commenced Spudding:
5/9/2012

| Thickness of Strata | Formation | Total Depth | Remarks |
|---------------------|-------------|-------------|---------|
| 14 | soil / clay | 14 | |
| 27 | Lime | 41 | |
| 5 | shale | 46 | |
| 9 | sandy shale | 55 | |
| 44 | shale | 99 | |
| 11 | Lime | 109 | |
| 19 | shale | 128 | |
| 3 | Lime | 131 | |
| 23 | shale | 154 | |
| 9 | sandy shale | 163 | |
| 9 | shale | 172 | |
| 8 | Lime | 180 | |
| 11 | shale | 191 | |
| 2 | Lime | 193 | |
| 2 | shale | 195 | |
| 5 | Lime | 200 | |
| 2 | shale | 202 | |
| 17 | Lime | 219 | |
| 5 | shale | 224 | |
| 20 | Lime | 244 | |
| 4 | shale | 248 | |
| 16 | Lime | 264 | |
| 2 | shale | 266 | |
| 2 | Lime | 268 | |
| 16 | shale | 284 | |
| 7 | sandy shale | 291 | |
| 13 | shale | 304 | |

| Thickness of Strata | Formation | 306 Total Depth | Remarks |
|---------------------|-------------|--------------------|----------------------|
| 17 | sandy shale | 323 | |
| 42 | shale | 365 | |
| 7 | sand | 372 | a slight odor |
| 7 | sandy shale | 379 | |
| 58 | shale | 437 | |
| 4 | sand | 441 | |
| 9 | shale | 450 | |
| 4 | lime | 454 | |
| 6 | shale | 460 | |
| 4 | lime | 464 | |
| 5 | shale | 469 | |
| 2 | lime | 471 | oil |
| 4 | lime | 475 | no oil |
| 4 | sand | 479 | no oil |
| 4 | sandy shale | 483 | |
| 6 | shale | 489 | |
| 13 | lime | 502 | |
| 4 | shale | 506 | |
| 11 | sandy shale | 517 | |
| 15 | shale | 532 | with some lime crams |
| 12 | sand | 544 | gray, no oil |
| 28 | shale | 602 | |
| 8 | sandy shale | 610 | |
| 35 | shale | 645 | with some mud bed-20 |
| 17 | sand | 662 | no oil, gray |
| 6 | sandy shale | 668 | |
| 11 | shale | 679 | |



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 249838

Invoice Date: 05/16/2012 Terms: 0/0/30,n/30

Page 1

D.E. EXPLORATION
DOUG EVANS
P.O. BOX 128
WELLSVILLE KS 66092
(785) 883-4057

BELDEN A-1
39731
33-46-33
05-11-2012
MO

| Part Number | Description | Qty | Unit Price | Total |
|-------------|-------------------------|--------|------------|---------|
| 1124 | 50/50 POZ CEMENT MIX | 100.00 | 10.9500 | 1095.00 |
| 1118B | PREMIUM GEL / BENTONITE | 504.00 | .2100 | 105.84 |

| Description | Hours | Unit Price | Total |
|----------------------------------|-------|------------|---------|
| 369 80 BBL VACUUM TRUCK (CEMENT) | 3.00 | 90.00 | 270.00 |
| 495 P & A NEW WELL | 1.00 | 1030.00 | 1030.00 |
| 495 EQUIPMENT MILEAGE (ONE WAY) | 60.00 | 4.00 | 240.00 |
| 548 MIN. BULK DELIVERY | 1.00 | 357.78 | 357.78 |

Parts: 1200.84 Freight: .00 Tax: 93.67 AR 3192.29
Labor: .00 Misc: .00 Total: 3192.29
Sublt: .00 Supplies: .00 Change: .00

Signed _____

Date _____

BARTLESVILLE, OK
918/338-0808

EL DORADO, KS
316/322-7022

EUREKA, KS
620/583-7664

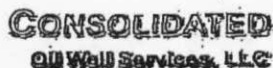
PONCA CITY, OK
580/762-2303

OAKLEY, KS
785/672-2227

OTTAWA, KS
785/242-4044

THAYER, KS
620/839-5269

GILLETTE, WY
307/686-4914

FIELD TICKET & TREATMENT REPORT
CEMENT

FOREMAN Fred Mader

Total 100 SIKS 50/50 for mix Cement 6% Gel

TOS Drilling.

Free Modern

[illegible]

Revin 3737

249838

AUTHORIZATION No Co. Rep on Site.

TITLE

DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.